

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P571678

Luminaire Tested: **UFLD-L-CA4-270-722-U-66-TS2HW_NFFLD**

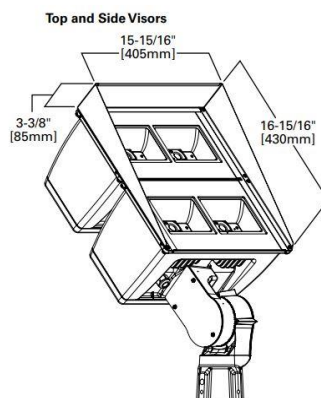
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-378-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-CA4-270-722-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

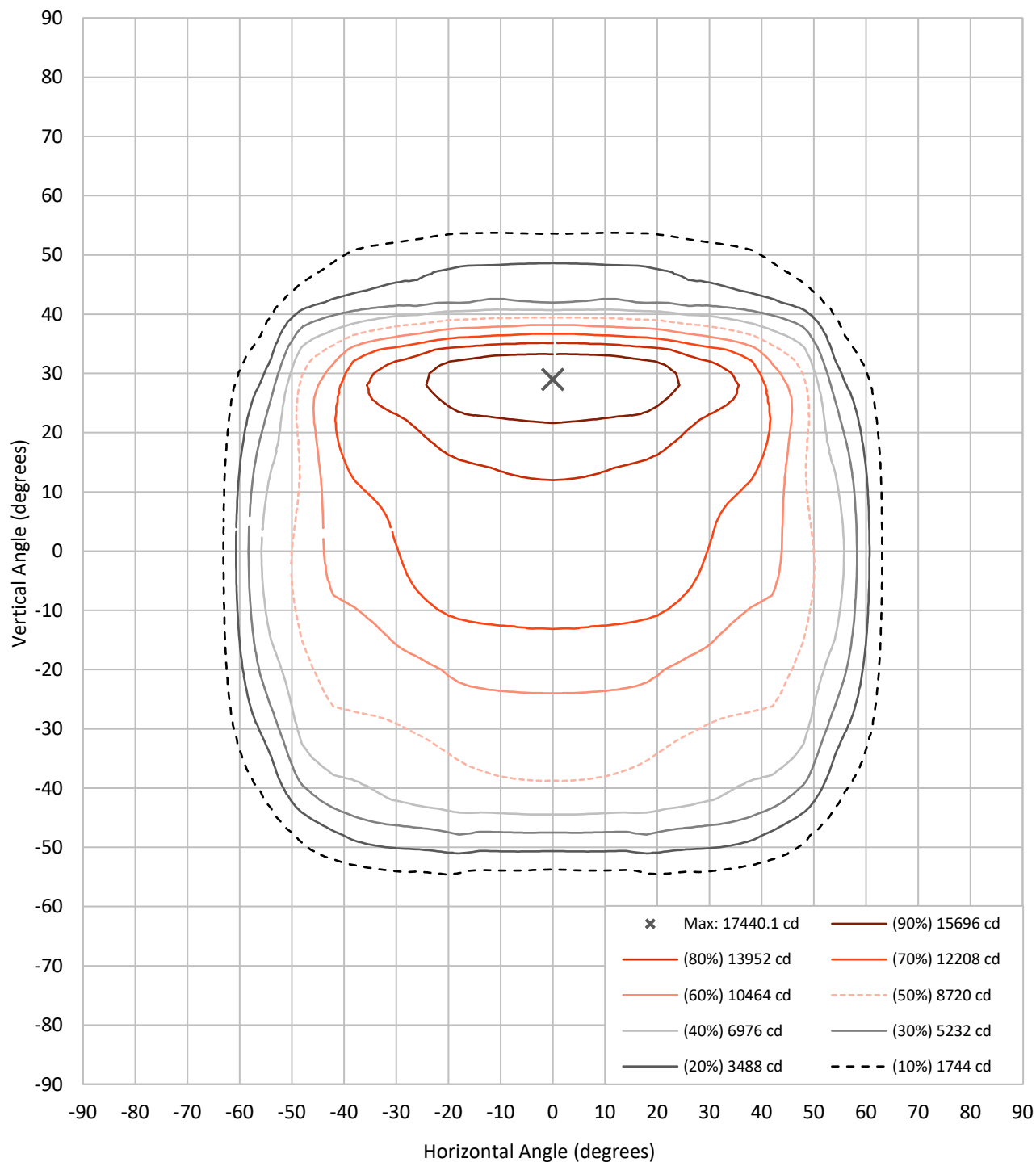
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	30311 lumens	Max Intensity:	17440.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	114.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	22005.6 lumens	Field Lumens:	29464 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	265.4		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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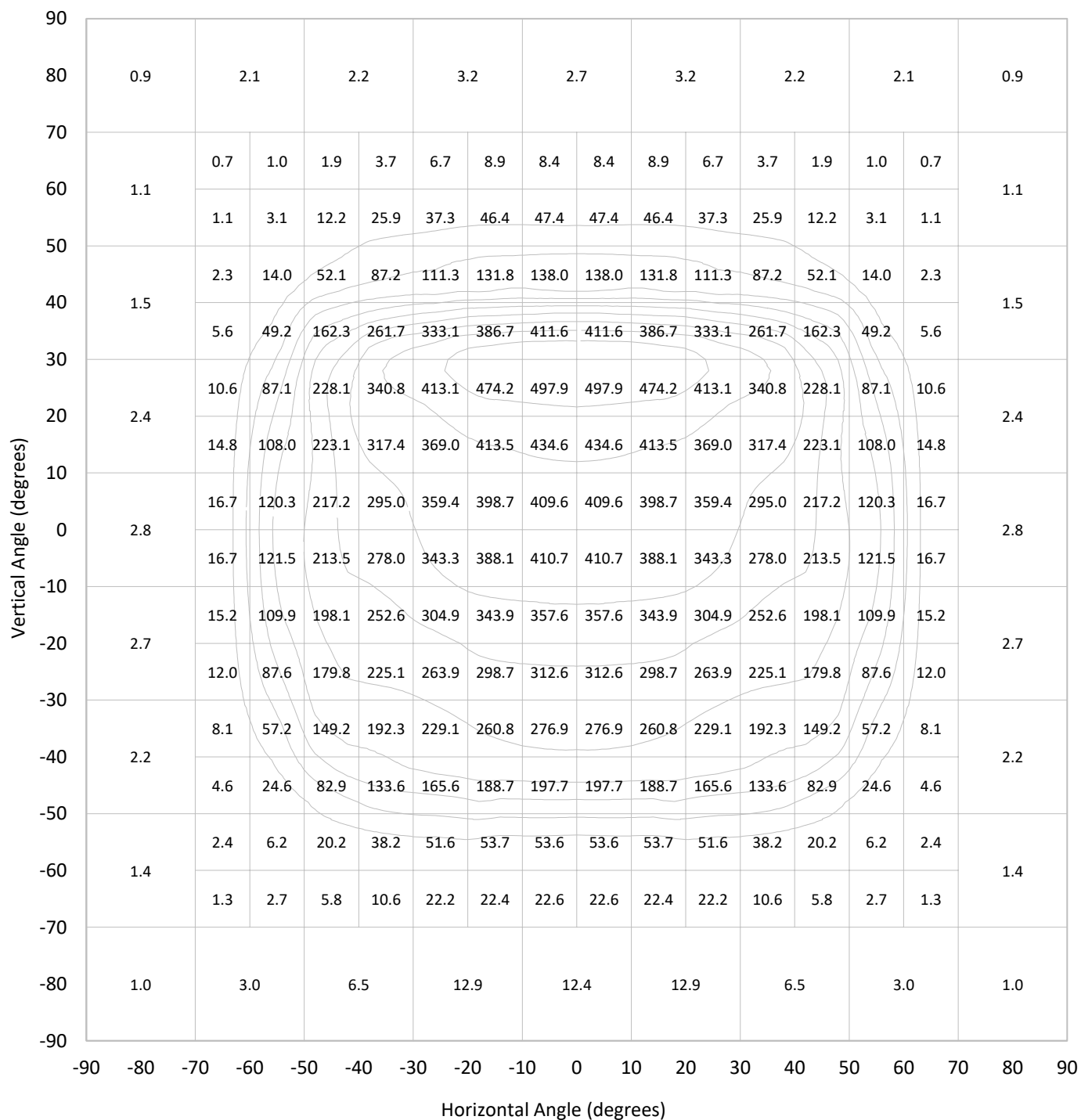
Iso-Candela Plot



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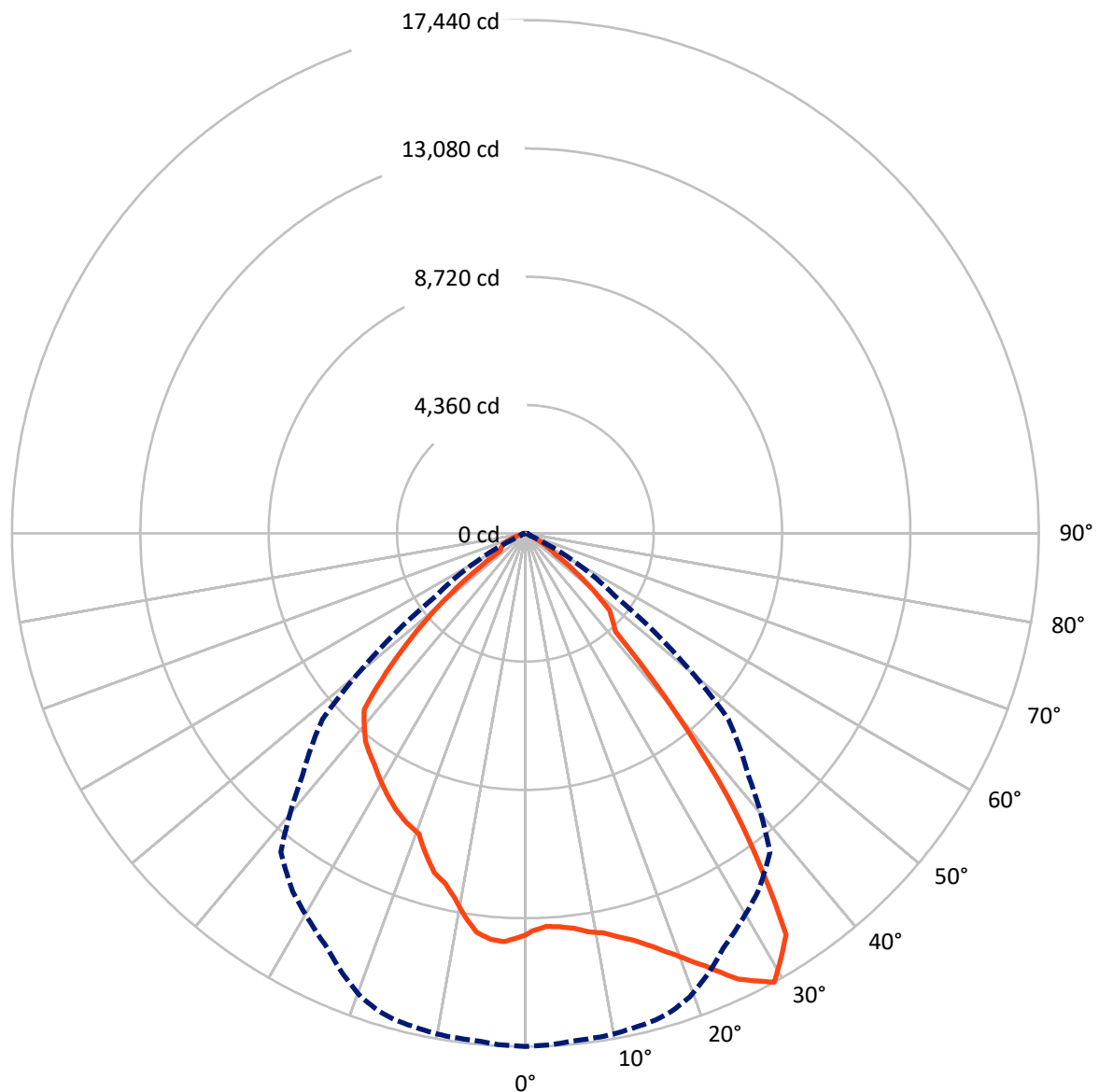
Lumen Table



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Luminous Intensity Polar Plot

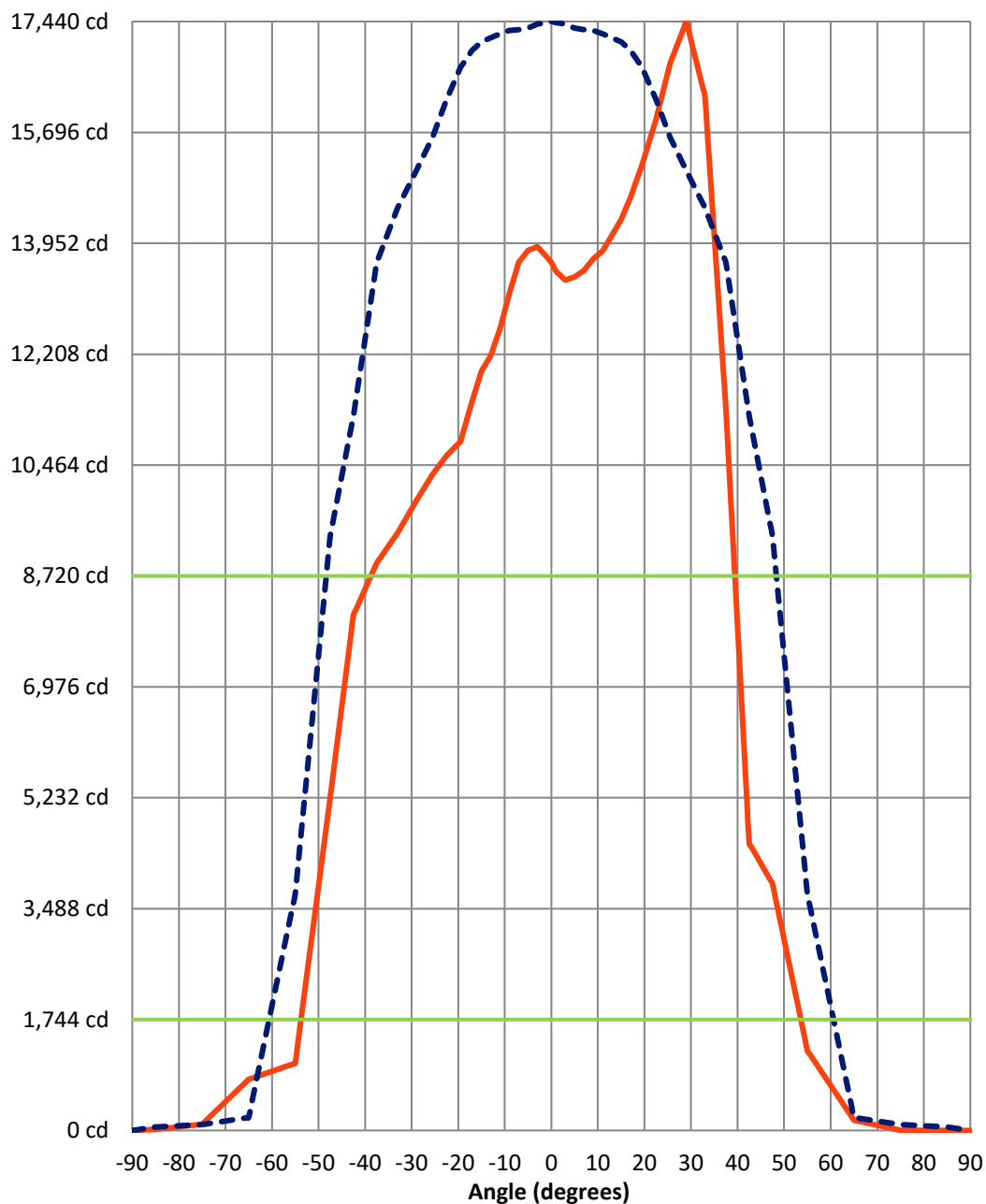


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 29-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	0°	1°	3°	5°	7°	9°	11°	13°	15°	17°	19.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	8.0	18.1	22.7	24.8	26.8	28.8	30.1	30.1	29.4	28.1
75°	3.3	4.7	10.7	14.0	16.1	17.4	18.7	18.1	18.7	17.4	17.4
65°	162.6	162.6	161.9	157.2	147.8	137.8	132.5	146.5	183.3	218.1	226.1
55°	1256.3	1240.9	1238.3	1291.8	1292.5	1331.9	1334.6	1345.3	1313.9	1335.9	1295.1
47.5°	3879.4	3882.0	3858.6	3843.2	3821.8	3777.7	3746.9	3724.8	3721.5	3692.7	3573.0
42.5°	4520.2	4526.9	4589.1	4625.9	4730.3	4855.4	4953.7	4836.7	4733.0	4502.2	4574.4
37.5°	11347.1	11357.1	11345.1	11321.0	11064.8	10997.9	10946.4	10794.5	10723.0	10693.5	10569.8
33°	16262.7	16324.9	16288.8	16239.3	16274.1	16238.0	16161.7	16006.5	15727.5	15585.7	15394.4
29°	17440.1	17422.7	17400.0	17337.1	17311.7	17298.9	17246.8	17184.6	17119.7	16987.2	16717.6
25.5°	16777.1	16721.0	16723.6	16664.1	16618.6	16608.6	16558.4	16486.8	16425.3	16298.8	16017.2
22.5°	15902.8	15888.1	15858.7	15805.8	15777.0	15709.5	15651.9	15589.7	15573.0	15527.5	15309.4
19.5°	15187.0	15169.6	15169.6	15142.2	15102.7	15036.5	14952.9	14890.6	14853.2	14835.8	14677.9
17°	14671.9	14655.8	14650.5	14608.3	14573.6	14512.7	14427.1	14346.1	14285.2	14253.1	14138.7
15°	14326.7	14300.6	14296.6	14277.9	14241.1	14178.2	14093.9	14019.0	13966.1	13901.9	13786.8
13°	14074.5	14044.4	14039.0	14010.3	13972.8	13914.6	13846.4	13784.2	13740.7	13673.8	13571.4
11°	13831.0	13851.7	13834.3	13807.6	13765.4	13715.9	13665.8	13626.3	13590.8	13549.4	13477.8
9°	13705.9	13663.8	13666.4	13642.3	13614.2	13578.8	13544.0	13504.5	13501.2	13497.2	13441.0
7°	13524.6	13511.2	13531.3	13517.9	13478.4	13483.1	13454.4	13461.7	13482.5	13503.9	13510.6
5°	13423.6	13415.6	13422.9	13418.9	13404.9	13410.2	13406.9	13446.3	13509.2	13618.3	13714.6
3°	13374.1	13388.1	13386.1	13387.5	13418.2	13431.0	13463.7	13520.6	13598.9	13691.2	13703.2
1°	13513.2	13529.3	13537.3	13566.8	13618.9	13621.6	13620.9	13654.4	13669.1	13886.5	13873.1
0°	13651.0	13659.7	13663.1	13666.4	13686.5	13696.5	13667.1	13658.4	13635.0	13793.5	13714.6
-1°	13740.7	13760.8	13747.4	13768.1	13787.5	13738.7	13697.9	13649.0	13617.6	13699.9	13540.7
-3°	13896.6	13881.8	13848.4	13845.0	13849.1	13771.5	13666.4	13612.2	13519.3	13472.4	13408.2
-5°	13839.7	13834.3	13794.9	13772.1	13726.6	13601.5	13498.5	13412.2	13313.2	13166.7	13071.0
-7°	13651.7	13584.8	13567.4	13530.6	13394.8	13285.8	13162.7	13063.7	12926.5	12842.9	12774.7
-9°	13166.7	13135.3	13143.3	13095.1	12933.2	12842.3	12758.0	12675.0	12592.1	12530.5	12485.0
-11°	12613.5	12556.6	12600.1	12558.6	12478.3	12439.5	12412.1	12365.9	12335.2	12295.0	12244.2
-13°	12189.3	12162.6	12198.7	12178.6	12135.8	12137.8	12130.5	12109.7	12091.0	12040.8	11951.2
-15°	11939.8	11907.7	11921.1	11927.8	11910.4	11904.4	11898.3	11876.3	11844.1	11781.9	11670.9
-17°	11470.9	11418.7	11437.4	11438.8	11435.4	11417.3	11445.4	11431.4	11425.4	11382.6	11280.9
-19.5°	10836.7	10815.3	10813.3	10816.6	10826.0	10829.3	10844.0	10843.4	10836.7	10784.5	10680.1
-22.5°	10611.9	10608.6	10596.5	10605.2	10599.9	10593.2	10589.2	10570.4	10526.9	10479.4	10355.7
-25.5°	10318.2	10312.2	10330.3	10312.2	10284.8	10270.1	10233.9	10195.1	10153.7	10121.5	9993.8
-29°	9904.1	9900.8	9886.1	9874.0	9832.6	9789.1	9730.2	9690.7	9608.4	9556.3	9403.7
-33°	9399.7	9383.7	9360.3	9342.9	9318.1	9278.0	9239.8	9168.9	9089.3	9011.7	8866.6
-37.5°	8923.4	8942.8	8924.8	8920.7	8889.3	8842.5	8786.9	8720.7	8646.5	8563.5	8431.1
-42.5°	8103.9	8105.9	8101.3	8068.5	8006.9	7954.7	7891.9	7853.7	7831.7	7784.2	7658.4
-47.5°	5230.7	5242.1	5243.4	5257.5	5229.4	5207.3	5189.2	5166.5	5158.4	5553.8	5260.1
-55°	1058.3	1063.0	1090.4	1136.6	1162.7	1176.1	1143.9	1115.8	1117.2	1237.6	1402.2
-65°	804.1	800.1	797.4	791.4	786.7	778.7	786.0	794.7	789.4	804.1	821.5
-75°	98.3	99.0	99.7	99.0	90.3	99.0	110.4	106.4	111.7	115.7	115.1
-85°	16.7	16.1	22.1	27.4	30.1	35.5	40.1	43.5	44.8	45.5	45.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	22.5°	25.5°	29°	33°	37.5°	42.5°	47.5°	55°	65°	75°	85°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	26.1	24.8	23.4	22.7	23.4	25.4	28.8	34.1	43.5	47.5	50.8
75°	16.7	16.7	18.1	23.4	24.1	27.4	30.8	35.5	44.2	48.2	51.5
65°	180.0	107.7	78.3	66.2	53.5	46.2	46.2	50.2	52.8	51.5	52.2
55°	1208.2	1087.7	982.1	907.1	711.1	479.7	326.5	111.7	78.9	55.5	52.8
47.5°	3437.2	3230.5	3045.2	2850.5	2671.2	1921.3	1253.7	237.5	115.1	60.2	53.5
42.5°	4601.9	3977.0	4206.5	3989.7	3690.7	3346.2	2576.9	858.3	131.1	67.6	53.5
37.5°	10079.4	9682.7	9329.5	8689.9	7899.2	6707.1	5700.3	1685.8	143.8	75.6	54.2
33°	15127.5	14381.6	13752.7	13324.6	12219.4	9682.0	8168.1	2564.2	171.3	84.3	54.9
29°	16210.5	15621.8	15094.0	14511.3	13648.4	11238.7	9345.5	3718.8	204.0	92.3	54.9
25.5°	15554.3	15041.8	14565.5	14147.4	13588.8	11801.3	9817.2	4581.1	236.8	101.0	54.9
22.5°	14851.2	14336.7	13883.2	13574.1	13323.2	11994.0	9682.7	5189.9	269.6	108.4	54.9
19.5°	14282.6	13814.9	13431.0	13198.1	13109.2	11947.8	9364.3	5721.7	306.4	115.1	55.5
17°	13765.4	13395.5	13104.5	12998.8	12935.9	11793.3	9179.0	6149.2	337.8	119.1	55.5
15°	13497.8	13177.4	12967.4	12913.2	12717.2	11613.4	9068.6	6456.2	356.6	123.1	55.5
13°	13320.6	13061.7	12917.8	12773.4	12452.9	11426.7	9014.4	6742.6	369.9	125.8	55.5
11°	13210.9	13010.2	12842.9	12572.7	12160.6	11288.9	9011.7	6983.4	376.6	128.4	56.2
9°	13243.6	13006.8	12733.9	12353.2	11926.4	11176.5	9039.8	7170.7	375.3	130.4	56.2
7°	13291.8	13020.2	12628.2	12147.9	11717.7	11111.0	9080.0	7321.9	367.9	132.5	56.2
5°	13336.0	13028.2	12575.3	11977.9	11544.5	11041.4	9131.5	7445.7	364.6	134.5	56.2
3°	13339.3	13016.2	12504.4	11810.0	11405.3	10991.9	9188.3	7544.0	361.2	135.8	56.2
1°	13289.1	12939.9	12398.7	11658.8	11302.3	10947.1	9247.9	7598.9	359.2	135.1	56.2
0°	13250.3	12863.7	12324.5	11590.6	11234.0	10917.0	9278.0	7612.9	353.9	133.8	56.2
-1°	13175.4	12803.5	12244.2	11549.1	11186.6	10872.8	9297.4	7600.9	351.2	133.1	56.2
-3°	13018.2	12630.2	12117.8	11443.4	11063.5	10779.1	9334.8	7576.1	353.2	131.8	56.2
-5°	12809.5	12454.9	11986.0	11325.0	10922.3	10660.1	9339.5	7509.9	357.9	131.1	56.2
-7°	12583.4	12253.6	11778.6	11147.7	10738.3	10486.1	9309.4	7408.2	351.2	131.1	56.2
-9°	12303.7	11962.6	11488.9	10919.6	10539.7	10289.5	9243.9	7270.4	348.5	131.8	56.2
-11°	12010.1	11649.5	11200.6	10692.8	10324.9	10085.4	9154.2	7110.5	348.5	131.1	56.9
-13°	11709.0	11335.1	10921.6	10469.4	10136.9	9849.3	9031.8	6916.5	345.9	132.5	56.2
-15°	11405.3	11026.7	10672.8	10262.0	9963.0	9643.2	8885.3	6677.0	344.5	134.5	56.2
-17°	11009.3	10682.8	10386.5	10046.0	9760.3	9455.3	8724.1	6408.8	341.2	135.8	56.2
-19.5°	10422.6	10143.6	9924.9	9706.8	9491.4	9207.7	8525.4	6025.4	332.5	136.5	56.2
-22.5°	10081.4	9795.8	9575.0	9381.7	9212.4	8985.0	8302.6	5517.7	317.8	136.5	56.2
-25.5°	9736.9	9478.0	9245.2	9045.8	8928.8	8782.3	8119.3	4953.7	306.4	134.5	56.2
-29°	9202.4	9008.4	8792.3	8590.3	8498.0	8413.0	7850.4	4219.2	299.7	130.4	56.2
-33°	8665.9	8467.8	8239.7	8002.9	7907.2	7864.4	7198.8	3261.9	299.0	123.1	56.2
-37.5°	8239.7	8030.3	7764.1	7477.1	7238.9	7055.6	6165.9	2425.7	293.7	111.7	56.2
-42.5°	7469.7	7336.6	7002.8	6774.7	6314.4	5602.0	4362.4	1573.4	269.6	93.7	55.5
-47.5°	4993.2	4835.3	4720.3	4573.1	4161.0	3236.5	2221.7	582.7	244.2	73.6	55.5
-55°	1374.1	1285.1	1355.3	1180.1	939.2	690.4	580.0	215.4	190.7	63.6	54.9
-65°	890.4	919.2	675.0	420.1	262.2	198.0	283.6	127.8	97.7	58.2	54.2
-75°	108.4	95.7	76.3	84.3	89.6	81.6	75.6	54.9	54.2	54.2	53.5
-85°	44.2	42.8	41.5	40.8	39.5	38.8	39.5	41.5	46.8	51.5	52.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°
90°	0.0
85°	0.0
75°	0.0
65°	0.0
55°	0.0
47.5°	0.0
42.5°	0.0
37.5°	0.0
33°	0.0
29°	0.0
25.5°	0.0
22.5°	0.0
19.5°	0.0
17°	0.0
15°	0.0
13°	0.0
11°	0.0
9°	0.0
7°	0.0
5°	0.0
3°	0.0
1°	0.0
0°	0.0
-1°	0.0
-3°	0.0
-5°	0.0
-7°	0.0
-9°	0.0
-11°	0.0
-13°	0.0
-15°	0.0
-17°	0.0
-19.5°	0.0
-22.5°	0.0
-25.5°	0.0
-29°	0.0
-33°	0.0
-37.5°	0.0
-42.5°	0.0
-47.5°	0.0
-55°	0.0
-65°	0.0
-75°	0.0
-85°	0.0
-90°	0.0

(END OF REPORT)